

UNIVERSITY OF PLYMOUTH MODULE RECORD

SECTION A: DEFINITIVE MODULE RECORD. *Proposed changes must be submitted via Faculty/AP Quality Procedures for approval and issue of new module code.*

MODULE CODE: MLA725 **MODULE TITLE:** Developing Sustainable Energy
CREDITS: 20 **FHEQ LEVEL:** 7 **HECOS CODE(S):** 100381, 100469
PRE-REQUISITES: None **CO-REQUISITES:** None **COMPENSATABLE:** Y

SHORT MODULE DESCRIPTOR: *(max 425 characters)*

The energy sector is one of the most contentious when it comes to issues of sustainability. Modern life relies on consistent and cheap energy, yet this comes at an environmental price, and arguably a societal gain. Balancing the needs of humans and the planet is most keenly felt in discussions of energy and it is these current interactions between the sector and the UN SDGs where this module focuses

ELEMENTS OF ASSESSMENT <i>[Use HESA KIS definitions]</i> – see Definitions of Elements and Components of Assessment	
C1 (Coursework)	100 %

SUBJECT ASSESSMENT PANEL to which module should be linked:

Professional body minimum pass mark requirement:

MODULE AIMS:

This module aims to develop students understanding of the complex relationship between energy as a driver of economic and societal wealth, and, at present, a source of significant environmental degradation on a global scale. Alternative strategies for energy generation will be investigated, and current case studies will be used to assess whether our current expectations of the energy sector can ever guarantee a sustainable future.

ASSESSED LEARNING OUTCOMES: (additional guidance below; please refer to the Programme Specification for relevant Programme Intended Learning Outcomes.

At the end of the module the learner will be expected to be able to:

Assessed Module Learning Outcomes (ALOs)	Programme Intended Learning Outcomes (PILOs) contributed to
1. Establish links between practice within the energy industry and various appropriate UN SDGs	8.1.1, 8.1.2
2. Evaluate the success of development in the energy sector in terms of achieving sustainability.	8.1.3
3. Assess the feasibility of a truly sustainable energy future.	8.2.1, 8.3.3

4. Communicate in an appropriate academic manner.	8.3.1
DATE OF APPROVAL: 07/06/2022	FACULTY/OFFICE: Academic Partnerships
DATE OF IMPLEMENTATION: September 2024	SCHOOL/PARTNER: MLA
DATE(S) OF APPROVED CHANGE: N/A	SEMESTER: All Year

Additional Guidance for Learning Outcomes:

To ensure that the module is pitched at the right level check your intended learning outcomes against the following nationally agreed standards

- Framework for Higher Education Qualifications
<http://www.qaa.ac.uk/docs/qaa/quality-code/qualifications-frameworks.pdf>
- Subject benchmark statements <https://www.qaa.ac.uk/quality-code/subject-benchmark-statements>
- Professional, regulatory and statutory (PSRB) accreditation requirements (where necessary e.g. health and social care, medicine, engineering, psychology, architecture, teaching, law)
- QAA Quality Code <https://www.qaa.ac.uk/quality-code>

SECTION B: DETAILS OF TEACHING, LEARNING AND ASSESSMENT

Items in this section must be considered annually and amended as appropriate, in conjunction with the Module Review Process. Some parts of this page may be used in the KIS return and published on the extranet as a guide for prospective students. Further details for current students should be provided in module guidance notes.

ACADEMIC YEAR: 2024-5

NATIONAL COST CENTRE: 124 (Geography and Environment)

MODULE LEADER: Paul Wright

OTHER MODULE STAFF:

Summary of Module Content

The first part of this module will be an overview of current energy production and distribution, and an analysis of how the various UN SDGs are dependent upon and influenced by such factors. The module then establishes how the sector is attempting to change in order to fulfil its sustainability obligations, and the final part of the module critiques what further developments will be needed to establish fair access to plentiful and as clean as possible energy.

SUMMARY OF TEACHING AND LEARNING [Use HESA KIS definitions]		
Scheduled Activities	Hours	Comments/Additional Information (briefly explain activities, including formative assessment opportunities)
Lectures	20	Online lectures with formative quizzes to check for understanding
Tutorials	20	One to one, or one-to many sessions focussed upon practicing analytical techniques and exploring themes developed in the lectures
Self-Study	140	Guided and independent reading, assessment preparation
Total	200	(NB: 1 credit = 10 hours of learning; 10 credits = 100 hours, etc.)

SUMMATIVE ASSESSMENT

Element Category	Component Name	Component Weighting
Coursework	Report [4000 words]	100%

REFERRAL ASSESSMENT

Element Category	Component Name	Component Weighting
Coursework	Report	100%

To be completed when presented for Minor Change approval and/or annually updated		
Updated by: XX/XX/XXXX	Date:	Approved by: Date: XX/XX/XXXX